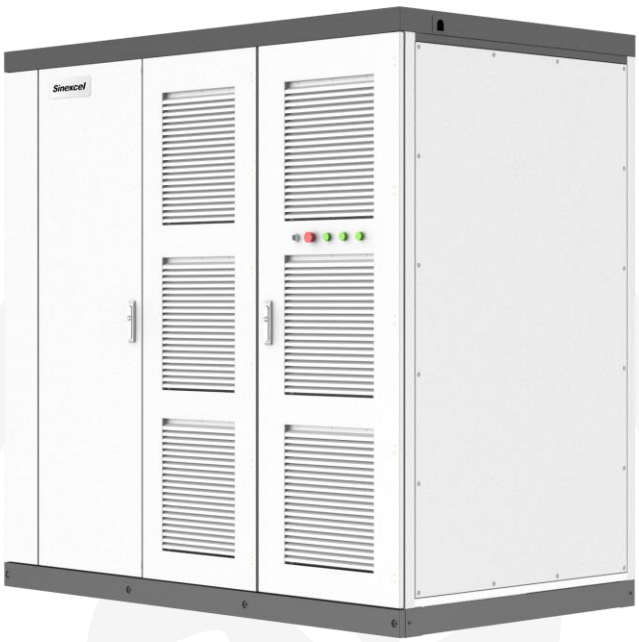
PWS1-1500/1725KTL-H-EX
Power Conversion System



Features

Flexible Configuration

- Modular design with up to 8 modules
- Direct interconnection with 480/600/690Vac
- Power range: 125kW-1.72MW

High Efficiency & Stability

- Maximum efficiency can reach 99%, @ DC 1000V
- Multi-string technology for better battery safety and performance.

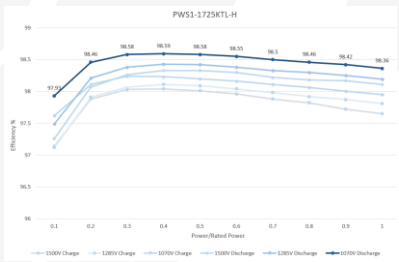
Extensive Use

- Automatic operation strategy of peak shaving and load shifting
- Outdoor NEMA3R Cabinet

Safety & Compatibility

- Fast response time less than 10ms
- Grid-support function built-in
- Global grid certified & listed

Specification

	PWS1-1500KTL-H-EX	PWS1-1725KTL-H-EX
AC parameters		
Nominal AC power	1500kVA	1725kVA
AC connection	Three-phase three-wire	
Overload Capability	1650kVA	1897kVA
AC voltage	600(-15%~10%)V	690(-15%~10%)V
AC frequency	50/60 (-5~5) Hz	
THDi	≤3%	
AC PF	0.99/-1~1	
DC parameters		
Max DC power	1650kW	1897kW
DC voltage range	900~1500V	1000~1500V
Full load voltage range	940~1500V	1070~1500V
Number of DC branches	1/8	1/8
Maximum DC current every branch	1897A/237A	1897A/237A
Voltage regulation accuracy	≤±1%	
Current regulation accuracy	≤±1%	
System parameters		
Efficiency curve		
Peak efficiency	99%	
Size (W*H*D)	2200*2160*1300 mm	
Weight	Cabinet 1200kg + Module 100kg*n (n=1,2,...,8)	
Noise	< 75dB	
Enclosure	IP55	
Operating temp.	-20°C to 60°C (De-rating over 45°C)	
Cooling	Air cooling	
Humidity	0~95% (No condensing)	
Max elevation	3000m/10000feet (> 3000m/10000feet derating)	
Connection parameters		
Communication	RS 485, Ethernet, CAN	
Protocol	Modbus TCP/RTU,IEC104,IEC61850	
BMS	Support	

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